

Title (en)  
HIGH-VOLTAGE DISCHARGE LAMP LIGHTING APPARATUS

Title (de)  
BELEUCHTUNGSGERÄT MIT HOCHSPANNUNGSENTLADUNGSLAMPE

Title (fr)  
APPAREIL D'ÉCLAIRAGE DE LAMPE À DÉCHARGE HAUTE TENSION

Publication  
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Application  
**EP 10777632 A 20100409**

Priority

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Abstract (en)

The present invention provides a ballast for a high pressure discharge lamp including a driving circuit for supplying an alternating power to a high pressure discharge lamp. In the ballast of the present invention, the high pressure discharge lamp includes: a bulb; and a startup light source disposed in a vicinity of the bulb and assisting ignition of the bulb. The startup light source has a pair of electrodes which are capacitively coupled. The driving circuit includes: a bridge unit for inverting a lamp current; a current regulator unit for regulating the lamp current; and an igniter unit for generating an ignition voltage. At the ignition, a voltage containing a frequency component higher than a driving frequency during a steady driving of the bulb is applied to the startup light source.

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